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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/053,507
Filing Date	January 17, 2002
First Named Inventor	Haichuan Zhang
Group Art Unit	2872
Examiner Name	Not Yet Assigned
Attorney Docket Number	271/088

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Class / Subclass

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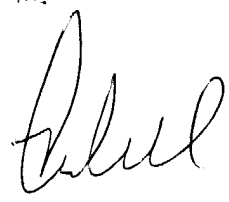
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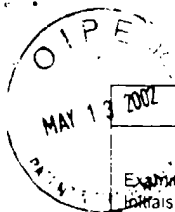
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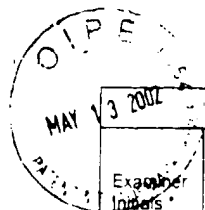
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W	IH	SUZUKI et al. Optical Switching In Polymer Gels. J.Appl.Phys., 80, 1, 07/01/1996, pp 131-136	
W	II	SVOBODA et al. Biological Applications Of Optical Forces. Annu.Rev.Biophys.Biomol.Struct., 23, 1994, pp 247-285	
W	IJ	SVOBODA et al. Conformation & Elasticity Of The Isolated Red Blood Cell Membrane Skeleton. Biophys.J., 63, 3, 09/01/1992, pp 784-793	
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W	IN	UNGER et al. Monolithic Microfabricated Valves & Pumps By Multilayer Soft Lithography. Science, 288, 04/07/2000, pp 113-116	
W	IO	VAN BLAADEREN et al. Template Directed Colloidal Crystallization. Nature, 385, 6614, 01/23/1997, pp 321-324	
W	IP	VISSCHER et al. Construction Of Multiple Beam Optical Traps With Nanometer Resolution Position Screening. IEEE Jnl Of Selected Topics In Quantum Electronics, 2, 4, 12/1996, pp 1066-1075	
W	IQ	WEBER et al. Manipulation Of Cells, Organelles & Genomes By Laser Microbeam & Optical Trap. Intl Rev Of Cytology, 133, 1992, pp 1-41	
W	IR	WESTBROOK et al. Localization Of Atoms In A Three Dimensional Standing Wave. Physical Review Letters, 65, 1, 07/02/1990, pp 33-36	
W	IS	WHEELER. Force Fields Of Laser Light Bind Molecules In A Remarkable Discovery At Harvard. The Chronicle Of Higher Education, 10/25/1989, pp A4	
W	IT	WRIGHT et al. Radiation Trapping Forces On Microspheres With Optical Tweezers. Appl Phys Lett., 63, 5, 08/09/1993, pp 715-717	

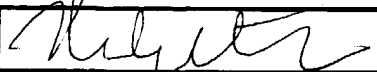
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W	10	WUITE et al, An Integrated Laser Trap Flow Control Video Microscope For The Study Of Single Biomolecules, Biophysical Jnl, 79.2, 08.2000, pp 1155-1167	
W	IV	XIANG et al, A Combinational Approach To Materials Discovery, Science, 268, 5218, 06/23/1995, pp 1738-1740	
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W	IV	YUQIU, Mechanical, Electrical, & Chemical Manipulation Of Single DNA Molecules, Nanotechnology, 3, 1992, pp 16-20	

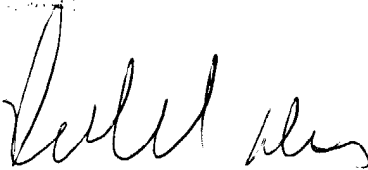
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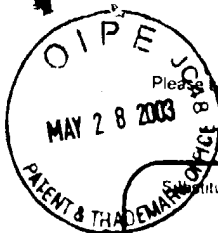
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Sheet 1 of 2

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Application Number 10/053,507
Filing Date January 17, 2002
First Named Inventor Haichuan Zhang
Group Art Unit 1654
Examiner Name Randall Winston
Attorney Docket Number 0302670-00024 (formerly 271/088)

Examiner Initials*	U.S. Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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W	US-4253846			Smythe et al	03/03/81	
W	US-4386274			Allshuler	05/31/83	
W	US-4756427			Göhde	07/12/88	
W	US-4886360			Finlan	12/12/89	
W	US-5773298			Lynggaard et al	06/30/98	
W	US-5942443			Parce et al	08/24/99	
W	US-5950071			Hammond et al	09/07/99	
W	US-6149789			Benecke et al	11/21/00	
W	US-6221654	B1		Quake et al	04/24/01	
W	US-6224732	B1		Imasaka et al	05/01/01	
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W	US-6280960	B1		Carr	08/28/01	
W	US-6280967	B1		Ransom et al	08/28/01	
W	US-6287758	B1		Okun et al	09/11/01	
W	US-6344325	B1		Quake et al	02/05/02	
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W	US-6514722	B2		Palsson et al	02/04/03	
W	US-2002/0058332	A1		Quake et al	05/16/02	
W	US-2003/0032204	A1		Walt et al	02/13/03	
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W	WO	01/11333	A2	Ransom et al	02/15/01		
W	WO	01/40454	A1	Koller et al	06/07/01		
W	WO	01/68110	A1	Koller et al	09/20/01		
W	WO	02/22774	A1	Eisfeld et al	03/21/02		
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W	EP	0556748	B1	Nishimura et al	10/28/98		
W	JP	4-43434	A	Yasuda et al	02/14/97		

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W	ASHKIN et al, "Force Generation Of Organelle Transport Measured In Vivo By An Infrared Laser Trap", Nature, 348, 11/22/90, 346-348.	
W	CALDWELL, "Field-Flow Fractionation", Analytical Chemistry, 60, 17, 9 1 88, 959-971	
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Application Number	10/053,507
Filing Date	January 17, 2002
First Named Inventor	Haichuan Zhang
Group Art Unit	1654
Examiner Name	Randall Winston
Attorney Docket Number	0302670-00024 (formerly 271/088)

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✓	DHOLAKIA et al, "Optical Tweezers: The Next Generation", Physics World, 10/02, 31-35.	
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✓	SHIKANO et al, "Separation Of A Single Cell By Red-Laser Manipulation", Applied Physics Letters, 75, 17, 10/25/99, 2671-2673.	
✓	SONEK et al, "Micromanipulation & Physical Monitoring Of Cells Using Two-Photon Excited Fluorescence In CW Laser Tweezers", SPIE, 2678, 01/28-02/01/96, 62-68.	
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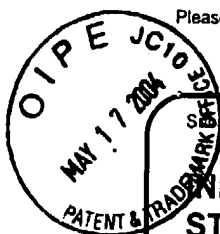
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First Named Inventor	Haichuan Zhang
Group Art Unit	1654
Examiner Name	Randall O. Winston
Attorney Docket Number	0302670-24 (prev. 271/088)

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W	US-3826899		Ehrlich et al	07/30/1974	
W	US-5374556		Bennett et al	12/20/1994	
W	US-5472550		Periasamy	12/05/1995	
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W	US-5834208		Sakano	11/10/1998	
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W	US-6387331	B1	Hunter	05/14/2002	
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W	US-6411838	B1	Nordstrom et al	06/25/2002	
W	US-6485905	B2	Hefli	11/26/2002	
W	US-6507400	B1	Pina et al	01/14/2003	
W	US-6518056	B2	Schembri et al	02/11/2003	
W	US-6534308	B1	Palsson et al	03/18/2003	
W	US-6540895	B1	Spence et al	04/01/2003	
W	US-6566079	B2	Hefli	05/20/2003	
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W	US-2002/0181837	A1	Wang et al	12/05/2002	
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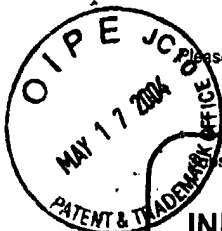
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W	ASHKIN, "The Pressure Of Laser Light", Scientific American, 226, 2, 1972, 63-71.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	January 17, 2002
				First Named Inventor	Haichuan Zhang
				Group Art Unit	1654
				Examiner Name	Randall O. Winston
				Attorney Docket Number	0302670-24 (prev. 271/088)
Sheet	2	of	2		

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W	MACDONALD et al, "Trapping & Manipulation Of Low Index Particles In A Two Dimensional Interferometric Optical Trap", Optics Letters, 26, 12, 2001, 863-865.	
W	MARKX et al, "The Dielectrophoretic Levitation Of Latex Beads, with Reference To Field-Flow Fractionation", Journal Of Physics D: Applied Physics, 30, 17, 1997, 2470-2477.	
W	MOLLOY et al, "Lights, Action: Optical Tweezers", Contemp. Physics, 43, 4, 2001, 241-248.	
W	MOLLOY et al, "Optical Tweezers In A New Light", J. Modern Optics, 50, 10, 2003, 1501-1507.	
W	PRIEVE, "Use Of Optical Forces To Detach Single Microscopic Particles Adhering To Flat Surfaces In Aqueous Media", Proceedings of the Annual Meeting Of the Adhesion Society, 20 th , 1997, 151-153.	
W	ZEMENEK et al, "Optical Trapping Of Rayleigh Particles Using A Gaussian Standing Wave, Optics Communication, 151, 4, 5, 6, 1998, 273-285.	

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Application Number	10/053,507
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First Named Inventor	Zhang
Group Art Unit	1654
Examiner Name	Winston
Attorney Docket Number	302,670-024 (prev 271/088)

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	4,939,081		Figdor et al.	07/03/1990
	5,752,606		Wilson et al.	05/19/1998

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